

## 12-11-2019 VEGA Observation

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Config: B

Start at UT01:00

Almost full sky coverage.

Metrology problem with E2 so we start with S1S2

**V70, Robert, S1S2, Haute resolution, CLIMB=+2600 $\mu$ m, VEGA=+750 $\mu$ m, BC1=7,30mm**

UT03:01: fringes locked on Deneb.

UT03:02: target **HD197345.2019.12.11.03.02** 40 blocks. Good fringes

UT03:25: Spectral calibration **D\_CHR656.2019.12.11.03.25**.

**V27, Denis, S1S2, Haute resolution, CLIMB=+2880 $\mu$ m, VEGA=+750 $\mu$ m, BC1=7,32mm**

UT03:39: target **HD31964.2019.12.11.03.39**. r0=8cm. Good tracking

UT04:07: Spectral calibration **D\_CHR656.2019.12.11.04.07**

**V67, Creevey, S1W2, CLIMB= -4800, VEGA=+150, BC2=4.24mm**

Target=HD24546, cal1=HD24504, cal2=HD21551, AO and Check: HD25940

Alignment on HD25940

UT04:31: cal1 **HD24504.2019.12.11.04.31** r0=14cm

UT04:47: target **HD24546.2019.12.11.04.47**. good fringes. Rather high for an expected visibility of 0,2.

UT05:04: cal2 **HD21551.2019.12.11.05.04**

UT05:21: target **HD24546.2019.12.11.05.21** no fringes on VEGA but on CLIMB poor fringes. Stopped at block 9 because fringes lost on CLIMB also.

UT05:38: target **HD24546.2019.12.11.05.38** r0=12cm. Fringes better but still lower than UT04:47. It's a spectroscopic binary, so it explains the variation.

UT05:58: cal1 **HD24504.2019.12.11.05.58** r0=12cm. very low fringes. Strange... no Jetstream

New check on HD25940 to see what happens. Then, new measure on cal1.

UT06:18: cal1 **HD24504.2019.12.11.06.18** r0=10cm. Far better fringes.

UT06:29: target **HD24546.2019.12.11.06.29** r0=12cm

UT06:56: cal1 **HD24504.2019.12.11.06.56** r0=5cm.

UT07:07: target **HD24546.2019.12.11.07.07** r0=6cm

UT07:32: cal1 **HD24504.2019.12.11.07.32** r0=5cm. Clouds have joined the party.

UT07:42: Spectral calibration **D\_CMR720\_2019.12.11.07.42**

**V27, S1S2, CLIMB=+2600 $\mu$ m, VEGA=750 $\mu$ m, CheckStar HD37490**

UT08:10: target **HD31964.2019.08.10**

UT08:38: Spectral calibration **D\_CHR656.2019.12.11.08.38**

**NOAO, Schultz, E1W1, POP15, CLIMB=, VEGA=, BC1**

**V67, Orlagh/Tim, W2S1S2, POP545, CLIMB, BC1=150 $\mu$ m**

UT12:27: Fringes found on S1S2. Seeking on S2W2